

SEQUENCE LISTING

<110> Applied Research Systems ARS Holding N.V.

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<120> Use of protein tyrosine phosphatase inhibitors for prevention and/or treatment of cancer

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<130> WO 595

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<160> 34

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<170> PatentIn version 3.1

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<210> 1

<211> 1115

<212> PRT

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<213> Homo sapiens

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Ser Trp Glu Val Pro Asp Gly Leu Asp Ser Gln Asn Ser Asn Tyr Trp
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Val Gln Cys Thr Gly Asp Gly Gly Thr Thr Glu Thr Arg Asn Thr Thr
65 70 75 80

5 Ala Thr Asn Val Thr Val Asp Gly Leu Gly Pro Gly Ser Leu Tyr Thr
85 90 95

10 Cys Ser Val Trp Val Glu Lys Asp Gly Val Asn Ser Ser Val Gly Thr
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15 Val Thr Thr Ala Thr Ala Pro Asn Pro Val Arg Asn Leu Arg Val Glu
115 120 125

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130 135 140

20 Pro Asp Pro Gln Asn Ser Thr Tyr Gly Val Glu Tyr Thr Gly Asp Gly
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25 Gly Arg Ala Gly Thr Arg Ser Thr Ala His Thr Asn Ile Thr Val Asp
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30 Gly Leu Glu Pro Gly Cys Leu Tyr Ala Phe Ser Met Trp Val Gly Lys
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35 Asn Gly Ile Asn Ser Ser Arg Glu Thr Arg Asn Ala Thr Thr Ala His
195 200 205

Asn Pro Val Arg Asn Leu Arg Val Glu Ala Gln Thr Thr Ser Ser Ile
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40 Ser Leu Ser Trp Glu Val Pro Asp Gly Thr Asp Pro Gln Asn Ser Thr
225 230 235 240

45 Tyr Cys Ile Gln Cys Thr Gly Asp Gly Gly Arg Thr Glu Thr Arg Asn
245 250 255

50 Thr Thr Asp Thr Arg Val Thr Val Asp Gly Leu Gly Pro Gly Ser Leu
260 265 270

Tyr Thr Cys Ser Val Trp Val Glu Lys Asp Gly Val Asn Ser Ser Val
275 280 285

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Glu Ile Val Thr Ser Thr Thr Ala Pro Asn Pro Val Arg Asn Leu Thr
290 295 300

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Val Glu Ala Gln Thr Asn Ser Ser Ile Ala Leu Thr Trp Glu Val Pro
305 310 315 320

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Asp Gly Pro Asp Pro Gln Asn Ser Thr Tyr Gly Val Glu Tyr Thr Gly
325 330 335

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Asp Gly Gly Arg Ala Gly Thr Arg Ser Thr Ala His Thr Asn Ile Thr
340 345 350

Val Asp Arg Leu Glu Pro Gly Cys Leu Tyr Val Phe Ser Val Trp Val
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Gly Lys Asn Gly Ile Asn Ser Ser Arg Glu Thr Arg Asn Ala Thr Thr
370 375 380

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Ala Pro Asn Pro Val Arg Asn Leu His Met Glu Thr Gln Thr Asn Ser
385 390 395 400

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Ser Ile Ala Leu Cys Trp Glu Val Pro Asp Gly Pro Tyr Pro Gln Asp
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Tyr Thr Tyr Trp Val Glu Tyr Thr Gly Asp Gly Gly Gly Thr Glu Thr
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Arg Asn Thr Thr Asn Thr Ser Val Thr Ala Glu Arg Leu Glu Pro Gly
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Thr Leu Tyr Thr Phe Ser Val Trp Ala Glu Lys Asn Gly Ala Arg Gly
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Ser Arg Gln Asn Val Ser Ile Ser Thr Val Pro Asn Ala Val Thr Ser
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Leu Ser Lys Gln Asp Trp Thr Asn Ser Thr Ile Ala Leu Arg Trp Thr
485 490 495

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Ala Pro Gln Gly Pro Gly Gln Ser Ser Tyr Ser Tyr Trp Val Ser Trp
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Val Arg Glu Gly Met Thr Asp Pro Arg Thr Gln Ser Thr Ser Gly Thr
515 520 525

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Asp Ile Thr Leu Lys Glu Leu Glu Ala Gly Ser Leu Tyr His Leu Thr
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Val Trp Ala Glu Arg Asn Glu Val Arg Gly Tyr Asn Ser Thr Leu Thr
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Ala Ala Thr Ala Pro Asn Glu Val Thr Asp Leu Gln Asn Glu Thr Gln
565 570 575

Thr Lys Asn Ser Val Met Leu Trp Trp Lys Ala Pro Gly Asp Pro His
580 585 590

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Ser Gln Leu Tyr Val Tyr Trp Val Gln Trp Ala Ser Lys Gly His Pro
595 600 605

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Arg Arg Gly Gln Asp Pro Gln Ala Asn Trp Val Asn Gln Thr Ser Arg
610 615 620

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Thr Asn Glu Thr Trp Tyr Lys Val Glu Ala Leu Glu Pro Gly Thr Leu
625 630 635 640

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Tyr Asn Phe Thr Val Trp Ala Glu Arg Asn Asp Val Ala Ser Ser Thr
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Gln Ser Leu Cys Ala Ser Thr Tyr Pro Asp Thr Val Thr Ile Thr Ser
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Cys Val Ser Thr Ser Ala Gly Tyr Gly Val Asn Leu Ile Trp Ser Cys

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680

685

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10 Gly Ser Gln Asp Arg Ser Ser Cys Gly Glu Ala Val Ser Val Leu Gly
705 710 715 720

15 Leu Gly Pro Ala Arg Ser Tyr Pro Ala Thr Ile Thr Thr Ile Trp Asp
725 730 735

20 Gly Met Lys Val Val Ser His Ser Val Val Cys His Thr Glu Ser Ala
740 745 750

25 Gly Val Ile Ala Gly Ala Phe Val Gly Ile Leu Leu Phe Leu Ile Leu
755 760 765

30 Val Gly Leu Leu Ile Phe Phe Leu Lys Arg Arg Asn Lys Lys Lys Gln
770 775 780

35 Gln Lys Pro Glu Leu Arg Asp Leu Val Phe Ser Ser Pro Gly Asp Ile
785 790 795 800

40 Pro Ala Glu Asp Phe Ala Asp His Val Arg Lys Asn Glu Arg Asp Ser
805 810 815

45 Asn Cys Gly Phe Ala Asp Glu Tyr Gln Gln Leu Ser Leu Val Gly His
820 825 830

50 Ser Gln Ser Gln Met Val Ala Ser Ala Ser Glu Asn Asn Ala Lys Asn
835 840 845

Arg Tyr Arg Asn Val Leu Pro Tyr Asp Trp Ser Arg Val Pro Leu Lys
850 855 860

Pro Ile His Glu Glu Pro Gly Ser Asp Tyr Ile Asn Ala Ser Phe Met
865 870 875 880

Pro Gly Leu Trp Ser Pro Gln Glu Phe Ile Ala Thr Gln Gly Pro Leu
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5 Pro Gln Thr Val Gly Asp Phe Trp Arg Leu Val Trp Glu Gln Gln Ser
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10 His Thr Leu Val Met Leu Thr Asn Cys Met Glu Ala Gly Arg Val Lys
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930 935 940

20 Leu Arg Val Thr Leu Val Gly Glu Glu Val Met Glu Asn Trp Thr Val
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25 Arg Gln Phe His Tyr Gln Ala Trp Pro Asp His Gly Val Pro Ser Ser
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Val Gly Arg Thr Gly Thr Leu Ile Ala Leu Asp Val Leu Leu Arg
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40 Gln Leu Gln Ser Glu Gly Leu Leu Gly Pro Phe Ser Phe Val Arg
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45 Lys Met Arg Glu Ser Arg Pro Leu Met Val Gln Thr Glu Ala Gln
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50 Tyr Val Phe Leu His Gln Cys Ile Leu Arg Phe Leu Gln Gln Ser
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